

Work Order ID 159018

Wednesday, April 05, 2017 10:58:13 AM

159018

Page 1

Item ID: 646.9502 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: 206A/B/L-Series Cable Cutter System, Low
Start Date: 4/13/2017 Start Qty: 1.00 ***1*** Cust Item ID:
Required Date: 4/21/2017 Req'd Qty: 1.00 ***1*** Customer:
Reference: SCHEDULED

Approvals: Process Plan: **DAS 21 9-89** Date: **APR 05 2017** Tooling: Date: Run Start ***NR1***
QC: **DAS 21 9-89** Date: SPC (Y/N): Date: Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
646.9500	N/C

APR 18 2017**DAS 6 9-89**

100 Document Control 0.00
100 DOCUMENT CONTROL
DC Memo 0.00
Doc.Control -USB or Paperwork Photocopy bluefile & type labels per PPP 646.9502

DAS 28 9-89**APR 20 2017**

110 Pick Kit 0.00
110
Packaging Memo 0.00
Packaging

APR 19 2017**DAS 6 9-89****DAS 27 9-89**

120 QC4- 100% Inspect kits for completeness 0.00
120
QC Memo 0.03
Quality Control

DAS 28 9-89**APR 21 2017**

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																																																										
Description Work Order Deviation				Disposition				Completed By																																																									
								Lead hand / Supervisor Approval Verification																																																									
								QC / QA Coordinator Approval																																																									
Root Cause		FAULT CATEGORY																																																															
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER :			
Misidentified ☐	Past Due ☐																																																																

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Reference: SCHEDULED

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Packaging	0.00							
130									
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPP 646.9502								
	Location :FG101								
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.10							
Quality Control									

DAS
28
9-89

APR 21 2017

DAS
21
9-89

APR 21 2017

DAS
21
9-89

APR 21 2017

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

Picklist Print

Wednesday, April 05, 2017 10:58:12 AM

Page 1

Work Order ID: 159018

159018

Parent Item: 646.9502

646 9502

Parent Item Name: 206A/B/L-Series Cable Cutter System, Low

Start Date: 4/13/2017

Required Date: 4/21/2017

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 12.08.28 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
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600.0990		Purchased	No			110	Each	30.0000	1	1			
----------	--	-----------	----	--	--	-----	------	---------	---	---	--	--	--

600 0990

Magnabond 6398 Part A Size 112 ml

DAS
27
9-89

DAS
28
9-89

5/08/2017

Location

Loc Qty

Loc Code

PKG

30

M136586

5

M136862

12

M137073

12

M134249

1

1/1/2017

600.0991		Purchased	No			110	Each	30.0000	1	1			
----------	--	-----------	----	--	--	-----	------	---------	---	---	--	--	--

600 0991

Magnabond 6398 Part B Size 112 ml

DAS
27
9-89

DAS
28
9-89

5/08/2017

Location

Loc Qty

Loc Code

PKG

30

m136586

6

m136862

12

m137073

12

600.1012		Purchased	No			110	Each	15.0000	1	1			
----------	--	-----------	----	--	--	-----	------	---------	---	---	--	--	--

600 1012

Sealant PR1425B2 (#654 sem)

APR 19 2017

DAS
27
9-89

DAS
28
9-89

EXP: 11/2017

Location

Loc Qty

Loc Code

cck017

15

m136838

8

m1370073

7

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐							
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval				
Description Work Order Deviation				Disposition				Completed By			
								Lead hand / Supervisor Approval Verification			
								QC / QA Coordinator Approval			
Root Cause		FAULT CATEGORY									
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____									
Misidentified ☐	Past Due ☐										

Picklist Print

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Work Order ID: 159018

159018

Parent Item: 646.9502

646 9502

Parent Item Name: 206A/B/L-Series Cable Cutter System, Low

Start Date: 4/13/2017

Required Date: 4/21/2017

Start Qty: 1.00

Required Qty: 1.00

646.9601 Manufactured No

110 Each

3.0000

1 1

**

APR 19 2017

DAS
6
9-89

DAS
27
9-89

646 9601

Upper Cutter Assembly

DAS
28
9-89

Location

Loc Qty

Loc Code

cck039

3

150334

1

157268

2

646.9603 Manufactured No

110 Each

4.0000

1 1

**

APR 19 2017

DAS
6
9-89

DAS
27
9-89

646 9603

Lower Cutter Assembly Low

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK036

4

150901

2

151896

2

646.9810 Manufactured No

110 Each

6.0000

1 1

**

APR 19 2017

DAS
6
9-89

DAS
27
9-89

646 9810

Deflector

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK041

6

151658

6

646.9910 Manufactured No

110 Each

39.0000

4 4

**

APR 19 2017

DAS
6
9-89

DAS
27
9-89

646 9910

Struts

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK014

39

146573

1

150149

18

151904

10

155353

10

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
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Root Cause		FAULT CATEGORY																																																															
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER :			
Misidentified ☐	Past Due ☐																																																																

Picklist Print

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Page 3

Work Order ID: 159018

159018

Parent Item: 646.9502

646 9502

Parent Item Name: 206A/B/L-Series Cable Cutter System, Low

Start Date: 4/13/2017

Required Date: 4/21/2017

Start Qty: 1.00

Required Qty: 1.00

647.0110 Manufactured No

110 Each 15.0000 1 1

647 0110

Roof Doubler

**

APR 19 2017

DAS
6
9-89

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK088

15

142622

5

155468

10

647.0111 Manufactured No

110 Each 7.0000 1 1

647 0111

Panel

**

APR 19 2017

DAS
6
9-89

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK088

7

142691

7

647.0112 Manufactured No

110 Each 49.0000 8 8

647 0112

Strut Bracket

**

APR 19 2017

DAS
6
9-89

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK106

17

156756

17

CCK106

32

155480

32

647.0113 Manufactured No

110 Each 23.0000 2 2

647 0113

Strut Doubler

**

APR 19 2017

DAS
6
9-89

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK089

23

142256

7

151665

6

155571

10

Wednesday, April 05, 2017 10:58:12 AM

Shop Packet Print

Page 3

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
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Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

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Page 4

Work Order ID: 159018

159018

Parent Item: 646.9502

646 9502

Parent Item Name: 206A/B/L-Series Cable Cutter System, Low

Start Date: 4/13/2017

Required Date: 4/21/2017

Start Qty: 1.00

Required Qty: 1.00

647.0114
647 0114
Clip

DAS
28
9-89

Manufactured No

110 Each 56.0000 1 1

**

APR 19 2017

DAS
6
9-89

DAS
27
9-89

Location Loc Qty Loc Code

CCK107 56
106616 56

647.0115
647 0115
Clip

DAS
28
9-89

Manufactured No

110 Each 51.0000 1 1

**

APR 19 2017

DAS
6
9-89

DAS
27
9-89

Location Loc Qty Loc Code

CCK107 51
106617 51

647.0116
647 0116
Doubler

DAS
28
9-89

Manufactured No

110 Each 15.0000 2 2

**

APR 19 2017

DAS
6
9-89

DAS
27
9-89

Location Loc Qty Loc Code

CCK107 15
150274 3
151372 12

647.0210
647 0210
Rail

DAS
28
9-89

Manufactured No

110 Each 10.0000 1 1

**

APR 19 2017

DAS
6
9-89

DAS
27
9-89

Location Loc Qty Loc Code

CCK089 10
150286 3
151662 7

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

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Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
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Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐								
Misidentified ☐	Past Due ☐	OTHER :							

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159018

Parent Item: 646.9502

646 9502

Parent Item Name: 206A/B/L-Series Cable Cutter System, Low

Start Date: 4/13/2017

Required Date: 4/21/2017

Start Qty: 1.00

Required Qty: 1.00

647.0310 Manufactured No

110 Each 13.0000 2 2

647 0310
Channel

**

APR 19 2017

DAS 27 9-89

Location

Loc Qty

Loc Code

CCK090

13

144607

4

151660

9

647.0410 Manufactured No

110 Each 7.0000 1 1

647 0410
Tube

**

APR 19 2017

DAS 27 9-89

Location

Loc Qty

Loc Code

CCK107

7

149601

2

151677

5

647.1210 Manufactured No

110 Each 6.0000 1 1

647 1210
Screen

**

APR 19 2017

DAS 27 9-89

Location

Loc Qty

Loc Code

CCK107

6

138299

3

142727

3

AN3-10A Purchased No

110 Each 128.0000 8 8

AN3-10A
Bolt

**

APR 19 2017

DAS 27 9-89

Location

Loc Qty

Loc Code

GA

62

m136787

62

ST349

66

m136665

66

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Shop Packet Print

Page 5

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																																																										
Description Work Order Deviation				Disposition				Completed By																																																									
								Lead hand / Supervisor Approval Verification																																																									
								QC / QA Coordinator Approval																																																									
Root Cause		FAULT CATEGORY																																																															
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____			
Misidentified ☐	Past Due ☐																																																																

Picklist Print

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Page 6

Work Order ID: 159018

159018

Parent Item: 646.9502

646 9502

Parent Item Name: 206A/B/L-Series Cable Cutter System, Low

Start Date: 4/13/2017

Required Date: 4/21/2017

Start Qty: 1.00

Required Qty: 1.00

AN3-11A Purchased No

110 Each 402.0000 8 8

AN3-11A

Bolt

DAS
28
9-89

Location

Loc Qty

Loc Code

over003

250

153855

150

m136192

100

ST349

152

153855

152

AN3-3A Purchased No

110 Each 55.0000 1 1

AN3-3A

Bolt

DAS
28
9-89

Location

Loc Qty

Loc Code

ST350

55

m136741

6

m136975

5

m137061

44

AN743-13 Purchased No

110 Each 23.0000 1 1

AN743-13

Bracket

DAS
28
9-89

Location

Loc Qty

Loc Code

ST330

23

M129732

13

M136665

10

CCR264SS3-04 Purchased No

110 Each 110.0000 12 12

CCR264SS3-04

Rivet

DAS
28
9-89

Location

Loc Qty

Loc Code

ST321

110

123785

110

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Shop Packet Print

Page 6

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval Completed By _____ Lead hand / Supervisor Approval Verification _____ QC / QA Coordinator Approval _____		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐		OTHER : _____					

Picklist Print

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Page 7

Work Order ID: 159018

159018

Parent Item: 646.9502

646 9502

Parent Item Name: 206A/B/L-Series Cable Cutter System, Low

Start Date: 4/13/2017

Required Date: 4/21/2017

Start Qty: 1.00

Required Qty: 1.00

CCR264SS-3-06

Purchased

No

110

Each

103.0000

8

8

CCR264SS-3-06

Rivet

**

DAS
6
9-89

APR 19 2017

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST321

103

m133988

3

m135865

100

CCR264SS3-2

CCR264SS3-02

Purchased

No

110

Each

0.0000

4

4

CCR264SS3-2

Rivet, Cherry

**

DAS
6
9-89

APR 19 2017

DAS
27
9-89

CR3212-4-4

CR3212-4-04

Purchased

No

110

Each

0.0000

1

1

CR3212-4-4

CHERRY RIVET

**

DAS
6
9-89

APR 19 2017

DAS
27
9-89

CR3212-5-4

Purchased

No

110

Each

96.0000

8

8

CR3212-5-4

Cherry Rivet

**

DAS
6
9-89

APR 19 2017

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST320

96

m133709

96

CR3213-4-05

Purchased

No

110

Each

94.0000

26

26

CR3213-4-05

RIVET

**

DAS
6
9-89

APR 19 2017

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST319

94

m136406

94

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation			Disposition		
			Completed By		
			Lead hand / Supervisor Approval Verification		
			QC / QA Coordinator Approval		
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					

Picklist Print

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Page 8

Work Order ID: 159018

159018

Parent Item: 646.9502

646 9502

Parent Item Name: 206A/B/L-Series Cable Cutter System, Low

Start Date: 4/13/2017

Required Date: 4/21/2017

Start Qty: 1.00

Required Qty: 1.00

CR3213-4-1
CR3213-4-1
Cherry Rivet

Purchased No

110 Each 87.0000 14 14

**

DAS 6 APR 19 2017 9-89

DAS 27 9-89

Location

Loc Qty

Loc Code

ST320

87

m135774

87

CR3213-4-2
CR3213-4-2
Cherry Rivet

Purchased No

110 Each 150.0000 18 18

**

DAS 6 APR 19 2017 9-89

DAS 27 9-89

Location

Loc Qty

Loc Code

CCK003

100

m136986

100

ST320

50

m135704

2

m135979

48

CR3213-4-3
CR3213-4-3
Rivet, Cherry

Purchased No

110 Each 392.0000 18 18

**

DAS 6 APR 19 2017 9-89

DAS 27 9-89

Location

Loc Qty

Loc Code

CCK003

300

m136851

300

GA

92

m136042

92

CR3213-4-4
CR3213-4-4
Rivet, Cherry

Purchased No

110 Each 234.0000 19 19

**

DAS 6 APR 19 2017 9-89

DAS 27 9-89

Location

Loc Qty

Loc Code

ST319

234

m136301

234

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Page 8

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation			Disposition		
			Completed By		
			Lead hand / Supervisor Approval Verification		
			QC / QA Coordinator Approval		
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

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Work Order ID: 159018

159018

Parent Item: 646.9502

646 9502

Parent Item Name: 206A/B/L-Series Cable Cutter System, Low

Start Date: 4/13/2017

Required Date: 4/21/2017

Start Qty: 1.00

Required Qty: 1.00

MS21059-3 Purchased No

110 Each 459.0000 2 2

MS21059-3

Nut Plate

DAS
28
9-89

Location

Loc Qty

Loc Code

ST301

459

123023

40

123301

6

123908

413

DAS
6 APR 19 2017
9-89

DAS
27
9-89

MS21059L08

Purchased No

110 Each 160.0000 4 4

MS21059L08

Nut

DAS
28
9-89

Location

Loc Qty

Loc Code

ST300

160

m134943

60

m136554

100

APR 19 2017

DAS
6
9-89

DAS
27
9-89

MS24694-S8

Purchased No

110 Each 96.0000 5 5

MS24694-S8

Screw

DAS
28
9-89

Location

Loc Qty

Loc Code

ST283

21

153858

21

ST285

75

M134654

75

APR 19 2017

DAS
6
9-89

DAS
27
9-89

MS27039-08-06

Purchased No

110 Each 76.0000 4 4

MS27039-08-06

Screw

DAS
28
9-89

Location

Loc Qty

Loc Code

ST278

76

m126249

76

APR 19 2017

DAS
6
9-89

DAS
27
9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER :							
Misidentified ☐	Past Due ☐								

Picklist Print

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Work Order ID: 159018

159018

Parent Item: 646.9502

646 9502

Parent Item Name: 206A/B/L-Series Cable Cutter System, Low

Start Date: 4/13/2017

Required Date: 4/21/2017

Start Qty: 1.00

Required Qty: 1.00

MS27039-08-09

Purchased

No

110

Each

72.0000

4

4

MS27039-08-09

Screw

DAS
28
9-89

Location

Loc Qty

Loc Code

ST278

72

m135536

72

MS27039-08-11

Purchased

No

110

Each

203.0000

43

43

MS27039-08-11

SCREW

DAS
28
9-89

Location

Loc Qty

Loc Code

ST278

203

m135864

203

MS27039-08-12

Purchased

No

110

Each

118.0000

2

2

MS27039-08-12

Screw

DAS
28
9-89

Location

Loc Qty

Loc Code

ST278

118

123352

18

124326

100

MS27039-08-13

Purchased

No

110

Each

348.0000

6

6

MS27039-08-13

Screw

DAS
28
9-89

Location

Loc Qty

Loc Code

over006

325

153849

325

ST278

23

m136199

23

APR 19 2017

APR 19 2017

APR 19 2017

APR 19 2017

DAS
27
9-89

DAS
27
9-89

DAS
27
9-89

DAS
27
9-89

DAS
27
9-89

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐								
Misidentified ☐	Past Due ☐	OTHER : _____							

Picklist Print

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Wednesday, April 05, 2017 10:58:13 AM

Work Order ID: 159018

159018

Parent Item: 646.9502

646 9502

Parent Item Name: 206A/B/L-Series Cable Cutter System, Low

Start Date: 4/13/2017

Required Date: 4/21/2017

Start Qty: 1.00

Required Qty: 1.00

MS27039-1-08

Purchased

No

110

Each

295.0000

5

5

MS27039-1-08

Screw

**

APR 19 2017

DAS
6
9-89

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

FP001

202

m136047

202

GA

89

m128636

89

ST281

4

m136047

4

MS27039-1-11

Purchased

No

110

Each

103.0000

5

5

MS27039-1-11

Screw

**

APR 19 2017

DAS
6
9-89

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

GA

8

9662

8

ST280

95

m135978

95

MS35842-11

Purchased

No

110

Each

21.0000

1

1

MS35842-11

Hose Clamp

**

APR 19 2017

DAS
6
9-89

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST545

21

m130238

2

m134943

19

Wednesday, April 05, 2017 10:58:13 AM

Shop Packet Print

Page 12

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

Picklist Print

Page 13

Wednesday, April 05, 2017 10:58:13 AM

Work Order ID: 159018

159018

Parent Item: 646.9502

646.9502

Parent Item Name: 206A/B/L-Series Cable Cutter System, Low

Start Date: 4/13/2017

Required Date: 4/21/2017

Start Qty: 1.00

Required Qty: 1.00

NAS1149F0332P

Purchased

No

110

Each

2,528.000

62

62

NAS1149F0332P

Washer

**

APR 19 2017

DAS
6
9-89

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

GA

335

m133709

335

ST262

2193

m136835

393

m137075

1800

62

NAS1149FN832P

Purchased

No

110

Each

1,526.000

111

111

NAS1149FN832P

Washer

**

APR 19 2017

DAS
6
9-89

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

GA

323

M135058

232

M136182

91

ST263

1203

M136866

1203

111

NAS1835-08

Purchased

No

110

Each

28.0000

4

4

NAS1835-08

Insert

**

APR 19 2017

DAS
6
9-89

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

st549

28

m135127

4

m135864

24

4

Wednesday, April 05, 2017 10:58:13 AM

Shop Packet Print

Page 13

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
OTHER : _____									

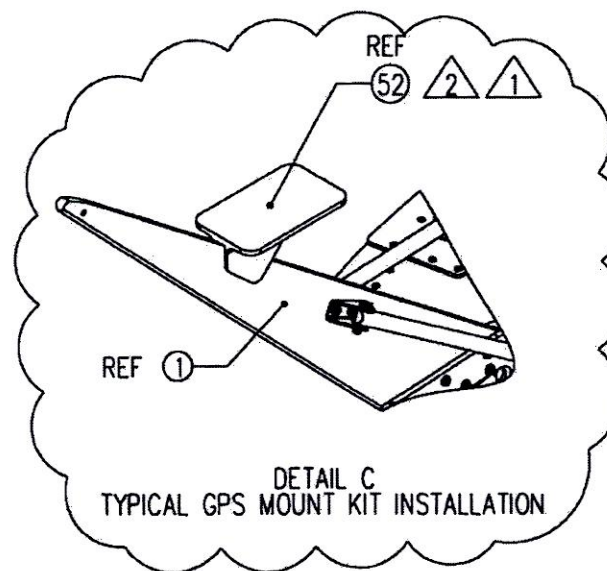
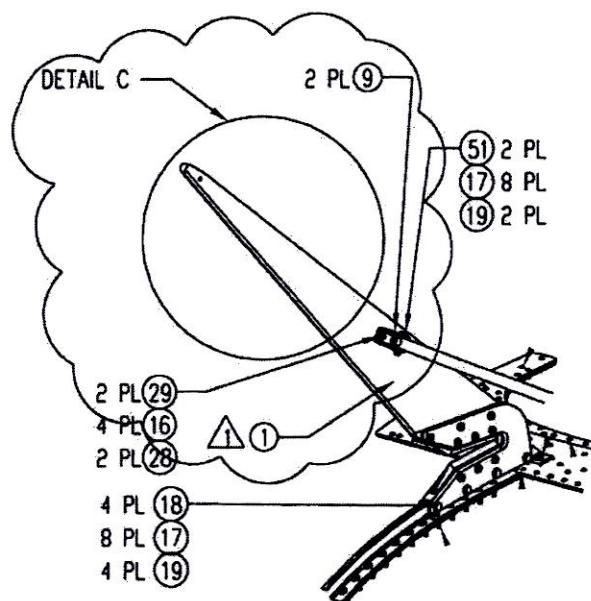
APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 03047				SHEET 1 OF 1	
	DWG NO. 646.9500	REV: NC	PREPARED BY J. JACKSON	DATE: 01/24/11	EFFECT ON DWG ☐ INC. ☒ UNINC.	
	DWG TITLE: 206 CABLE CUTTERS KIT					
	APPROVED BY: ENGR <i>[Signature]</i>	MFG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: NEXT ORDER		
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE	REASON: ADDED GPS MOUNT KIT, F/N 52. REVISED DRAWING VIEWS. ADDED NOTE <u>2</u> .					

SHEET 1, ZONE B1 IS:

2 AT CUSTOMERS OPTION, INSTALL F/N 52 BY MATCH DRILLING ONTO F/N 1.

SHEET 2, ZONE A3 IS:

SHEET 2, ZONE B2 IS:



SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 159018 MJS
1704-01

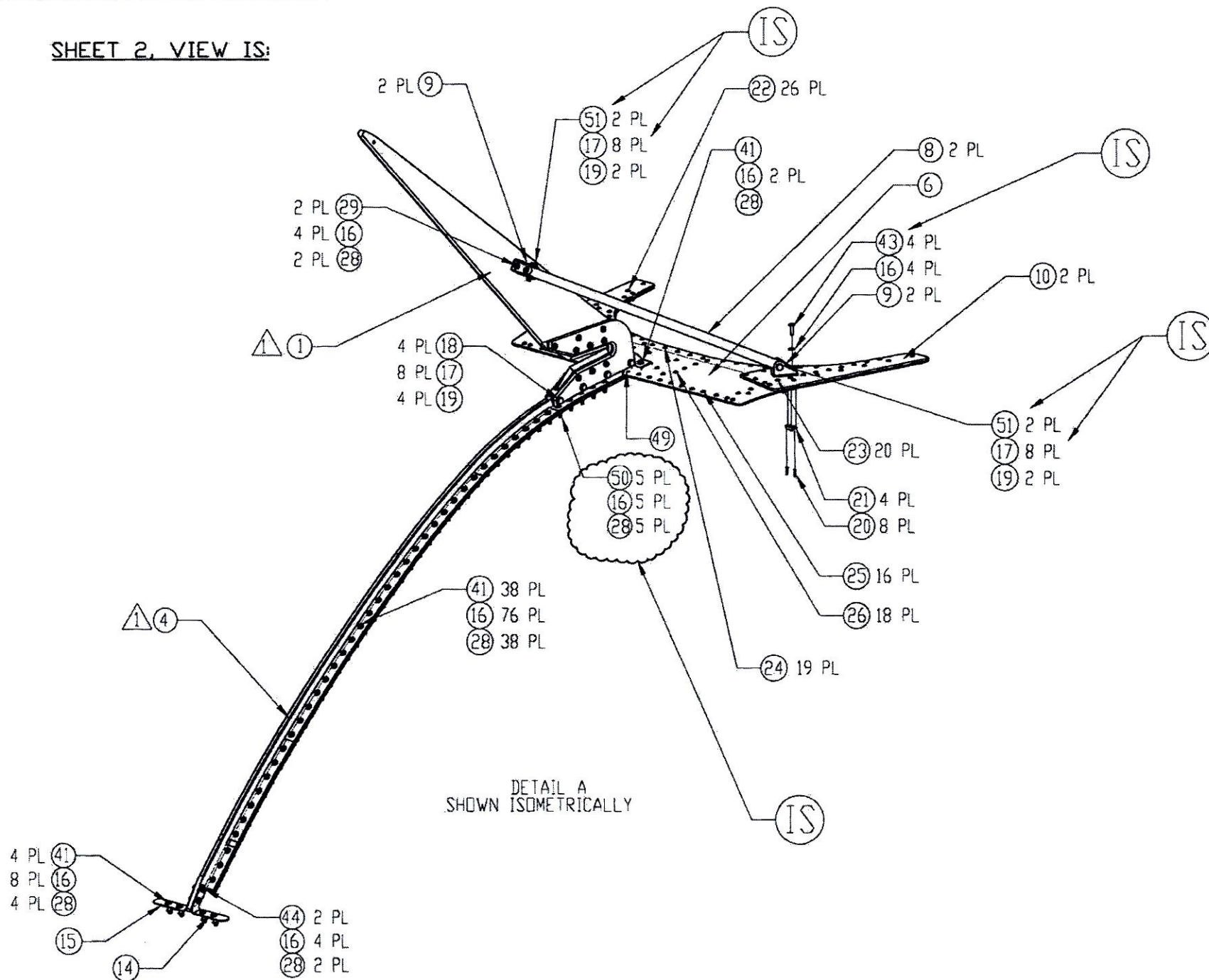
52	A	647.5701	REF	REF	GPS MOUNT KIT	<u>2</u>	
F/N	TC	PART NUMBER	QTY		DESCRIPTION	MATERIAL	SPECIFICATION
			.9502	.9501			
DOCUMENTS EFFECTED:						CHANGE CATEGORY	
☐ MDL ☐ INSTALL INSTRU ☐ ICA ☒ BOM						DER REVIEW REQUIRED ☐ YES ☒ NO	
☐ MAJOR ☒ MINOR							

APICAL INDUSTRIES, INC.		ENGINEERING CHANGE NOTICE NO. 02736				SHEET 1 OF 1		
		DWG NO. 646.9500		REV: N/C		PREPARED BY S. HUFF	DATE: 01/06/10	EFFECT ON DWG ☐ INC. ☒ UNINC.
		DWG TITLE: 206 CABLE CUTTERS KIT						
		APPROVED BY: ENGR <i>[Signature]</i>		MFG <i>[Signature]</i>		QC <i>[Signature]</i>		EFF: CURRENT ORDER
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE		REASON: CORRECTED PARTS LIST ERRORS						
17	R	601.1607	62	62	WASHER	NAS1149F0332P		
16	R	601.2764	111	111	WASHER	NAS1149FN832P		
			9502	9501				
F/N	TC	PART NUMBER	QTY	DESCRIPTION		MATERIAL/SPECIFICATION		
DOCUMENTS EFFECTED:						CHANGE CATEGORY	DER REVIEW REQUIRED	
☐ MDL ☒ INSTALL INSTRUC ☒ ICA ☐ FMS ☒ BOM						☐ MAJOR ☒ MINOR	☐ YES ☒ NO	

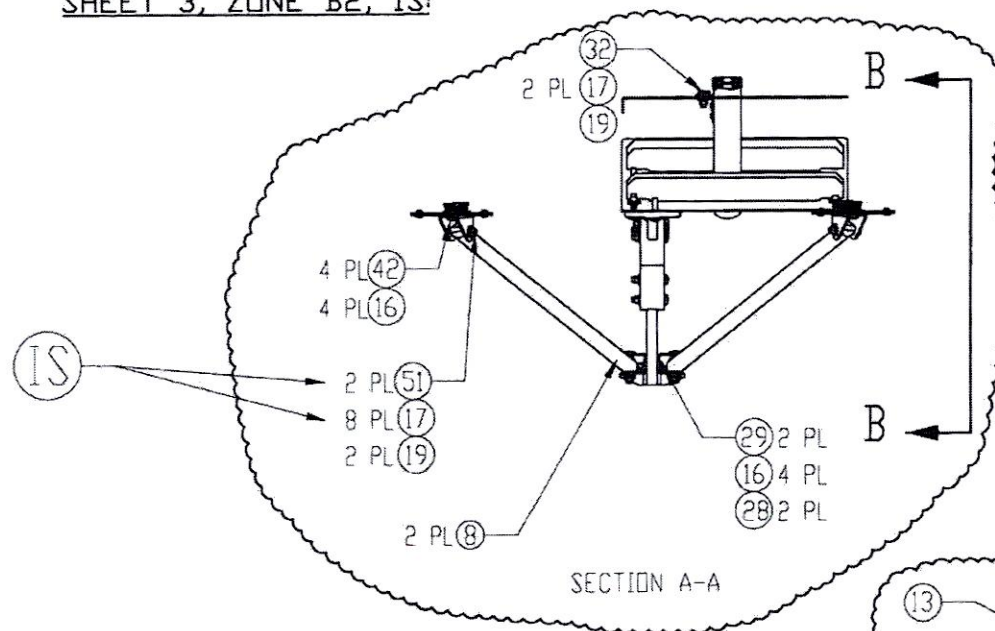
APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 02729				SHEET 1 OF 3	
	DWG NO. 646.9500	REV: N/C	PREPARED BY S. HUFF	DATE: 12/23/09	EFFECT ON DWG ☐ INC. ☒ UNINC.	
	DWG TITLE: 206 CABLE CUTTERS KIT					
	APPROVED BY: ENGR <i>[Signature]</i>	DRG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: CURRENT ORDER		
TRANSACTION CODES (TC) A-ADD C-CREATE R-REVISE D-DELETE	REASON: HARDWARE REVISIONS FROM FIRST INSTALL					

51	A	601.3155	8	8	BOLT	AN3-10A
50	A	601.3153	5	5	SCREW	MS24694S8
41	R	601.2893	43	43	SCREW	MS27039-0811
28	R	601.2973	54	54	LOCKNUT	MS21042-08
18	R	601.2826	8	8	BOLT	AN3-11A
16	R	601.2764	127	127	WASHER	NAS1149FN832P
			9502	9501		
F/N	TC	PART NUMBER	QTY		DESCRIPTION	MATERIAL/SPECIFICATION
DOCUMENTS EFFECTED: ☐ MDL ☒ INSTALL INSTRUC ☒ ICA ☐ FMS ☒ BOM						CHANGE CATEGORY ☐ MAJOR ☒ MINOR
						DER REVIEW REQUIRED ☐ YES ☒ NO

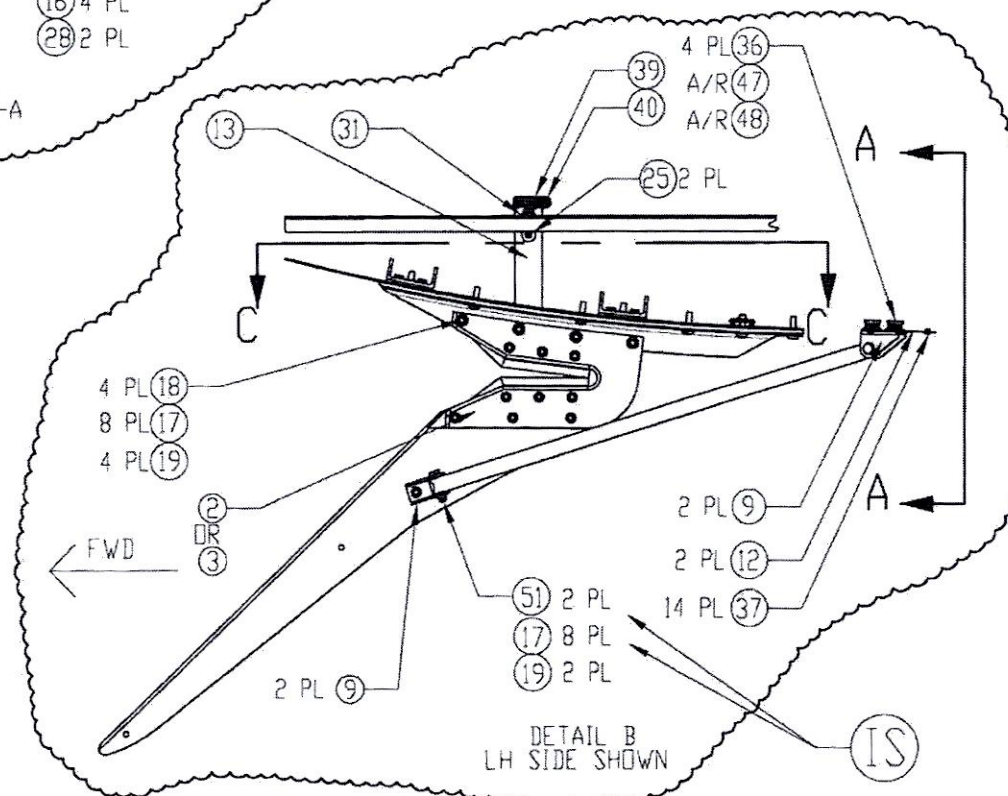
SHEET 2, VIEW IS:



SHEET 3, ZONE B2, IS:



SHEET 3, ZONE D2, IS:



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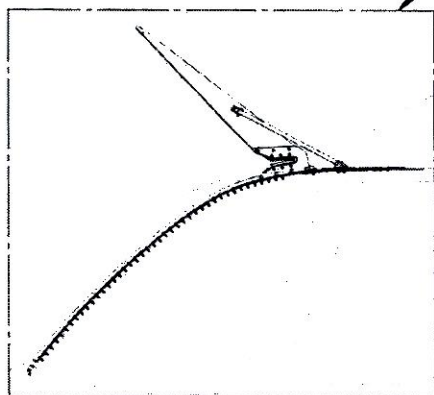
NOTES:

△ AFTER INSTALLATION, APPLY F/N 46 A/R TO FILL GAPS AND FILLET EDGES

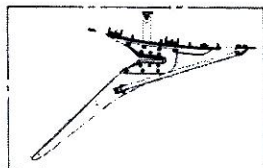
UNINCORPORATED ECN(S)

02729, 02736, 03047

DETAIL A



DETAIL B



QTY	FIND #	PART #	DESCRIPTION	MATL	SPEC.
1	1	49	601.1066 RIVET	CR3217-4-4	
1	1	48	600.0991 MAGNOBOND 6378 PART B		
1	1	47	600.0990 MAGNOBOND 6378 PART A		
1	1	46	600.1012 SEALANT	PP-1425 CLASS B	
5	5	45	601.1949 SCREW	MS27039-1-11	
2	2	44	601.2989 SCREW	MS27039-0812	
4	4	43	601.2987 SCREW	MS27039-0809	
4	4	42	601.3000 SCREW	MS27039-0806	

REV.	DESCRIPTION	DATE	APPROVED
1	1	39	647.1210 SCREEN
5	5	38	601.1621 SCREW
14	14	37	601.2979 RIVET
4	4	36	601.2984 INSERT
4	4	35	601.2277 RIVET
8	8	34	601.2983 RIVET
12	12	33	601.2980 NUTPLATE RIVET
1	1	32	601.2822 BOLT
1	1	31	601.2985 BRACKET
2	2	30	601.1900 NUTPLATE
6	6	29	601.2988 SCREW
53	53	28	601.2973 LOCKNUT
6	6	27	600.0795 NUTPLATE
18	18	26	601.0790 RIVET
18	18	25	601.1039 RIVET
19	19	24	601.1915 RIVET
20	20	23	601.2991 RIVET
26	26	22	601.1183 RIVET
4	4	21	601.2356 NUTPLATE
8	8	20	601.2981 NUTPLATE RIVET
17	17	19	601.2943 LOCKNUT
16	16	18	601.2826 BOLT
46	46	17	601.1607 WASHER
114	114	16	601.2764 WASHER
1	1	15	647.0115 CLIP
1	1	14	647.0114 CLIP
1	1	13	647.0410 TUBE
2	2	12	647.0116 DOUBLER
1	1	11	647.0111 PANEL
2	2	10	647.0113 STRUT DOUBLER
8	8	9	647.0112 STRUT BRACKET
4	4	8	646.9910 STRUT
2	2	7	647.0310 CHANNEL
1	1	6	647.0110 ROOF DOUBLER
1	1	5	647.0210 RAIL
1	1	4	646.9810 DEFLECTOR
1	1	3	646.9603 LOWER CUTTER ASSY LOW
1	1	2	646.9602 LOWER CUTTER ASSY HIGH
1	1	1	646.9601 UPPER CUTTER ASSY
1	1	1	646.9502 206 CABLE CUTTERS KIT LOW
1	1	1	646.9501 206 CABLE CUTTERS KIT HIGH

REV.	DESCRIPTION	DATE	APPROVED
1	1	39	647.1210 SCREEN
5	5	38	601.1621 SCREW
14	14	37	601.2979 RIVET
4	4	36	601.2984 INSERT
4	4	35	601.2277 RIVET
8	8	34	601.2983 RIVET
12	12	33	601.2980 NUTPLATE RIVET
1	1	32	601.2822 BOLT
1	1	31	601.2985 BRACKET
2	2	30	601.1900 NUTPLATE
6	6	29	601.2988 SCREW
53	53	28	601.2973 LOCKNUT
6	6	27	600.0795 NUTPLATE
18	18	26	601.0790 RIVET
18	18	25	601.1039 RIVET
19	19	24	601.1915 RIVET
20	20	23	601.2991 RIVET
26	26	22	601.1183 RIVET
4	4	21	601.2356 NUTPLATE
8	8	20	601.2981 NUTPLATE RIVET
17	17	19	601.2943 LOCKNUT
16	16	18	601.2826 BOLT
46	46	17	601.1607 WASHER
114	114	16	601.2764 WASHER
1	1	15	647.0115 CLIP
1	1	14	647.0114 CLIP
1	1	13	647.0410 TUBE
2	2	12	647.0116 DOUBLER
1	1	11	647.0111 PANEL
2	2	10	647.0113 STRUT DOUBLER
8	8	9	647.0112 STRUT BRACKET
4	4	8	646.9910 STRUT
2	2	7	647.0310 CHANNEL
1	1	6	647.0110 ROOF DOUBLER
1	1	5	647.0210 RAIL
1	1	4	646.9810 DEFLECTOR
1	1	3	646.9603 LOWER CUTTER ASSY LOW
1	1	2	646.9602 LOWER CUTTER ASSY HIGH
1	1	1	646.9601 UPPER CUTTER ASSY
1	1	1	646.9502 206 CABLE CUTTERS KIT LOW
1	1	1	646.9501 206 CABLE CUTTERS KIT HIGH

QTY	FIND #	PART #	DESCRIPTION	MATL	SPEC.
1	1	49	601.1066 RIVET	CR3217-4-4	
1	1	48	600.0991 MAGNOBOND 6378 PART B		
1	1	47	600.0990 MAGNOBOND 6378 PART A		
1	1	46	600.1012 SEALANT	PP-1425 CLASS B	
5	5	45	601.1949 SCREW	MS27039-1-11	
2	2	44	601.2989 SCREW	MS27039-0812	
4	4	43	601.2987 SCREW	MS27039-0809	
4	4	42	601.3000 SCREW	MS27039-0806	

ORIGINAL DATE: 1/20/2010
 DRAWN BY: P. ROSARIO
 CHECKED BY: D. BARRIS
 APPROVED BY: [Signature]
 CONTRACT NO: [Blank]

UNLESS OTHERWISE SPECIFIED
 DIMENSIONS ARE IN INCHES
 TOLERANCES ARE:
 3 PLACES DECIMALS ± .010
 2 PLACES DECIMALS ± .005
 ANGLES ± 1°

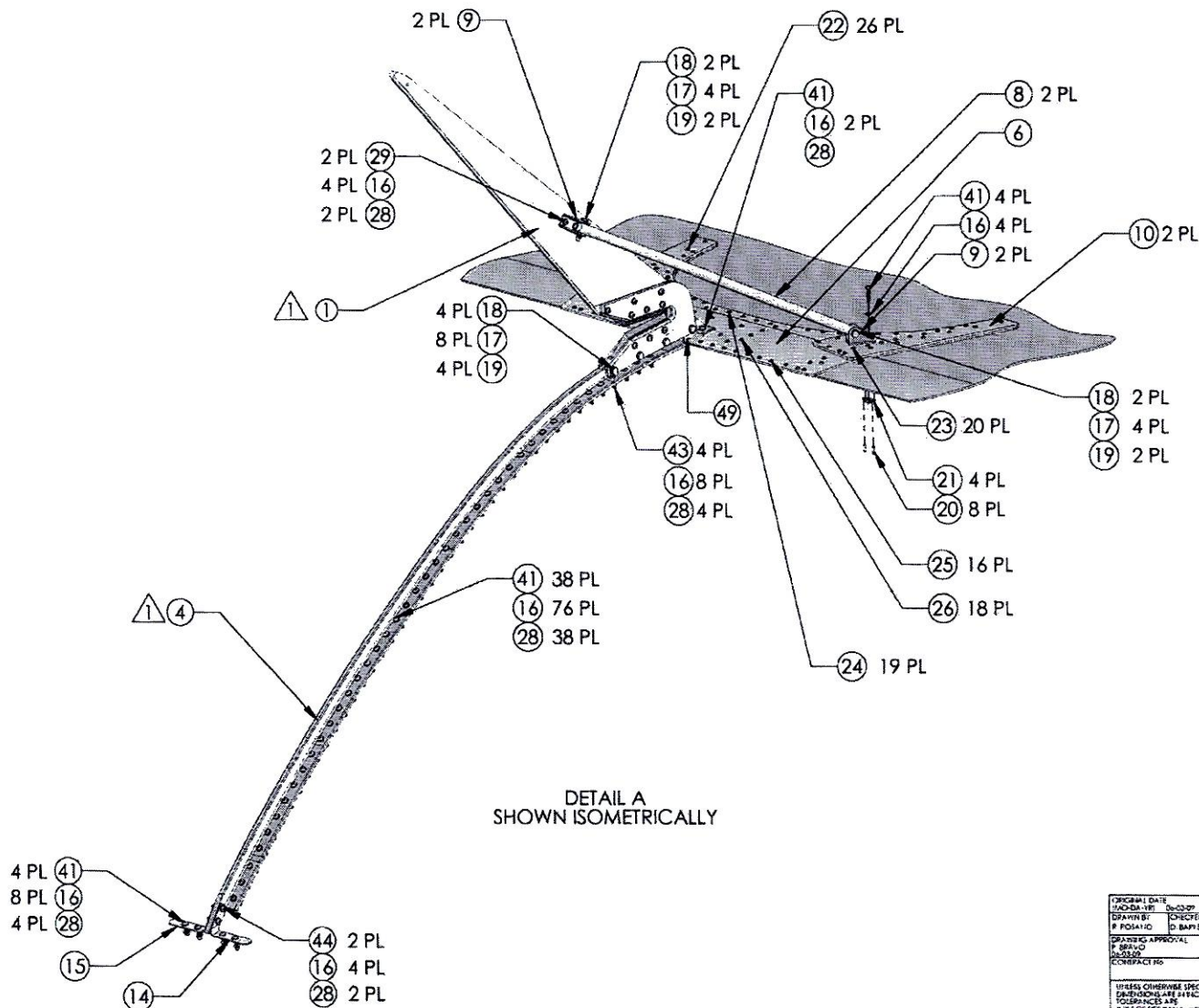
APICAL INDUSTRIES
 2608 TEMPLE HEIGHTS DR.
 OCEANSIDE, CA. 92056-3512 (760)724-5300

206 CABLE CUTTERS KIT

REV. 8 07/26 646.9500 1/1C

SCALE: NONE SHEET 1 OF 3

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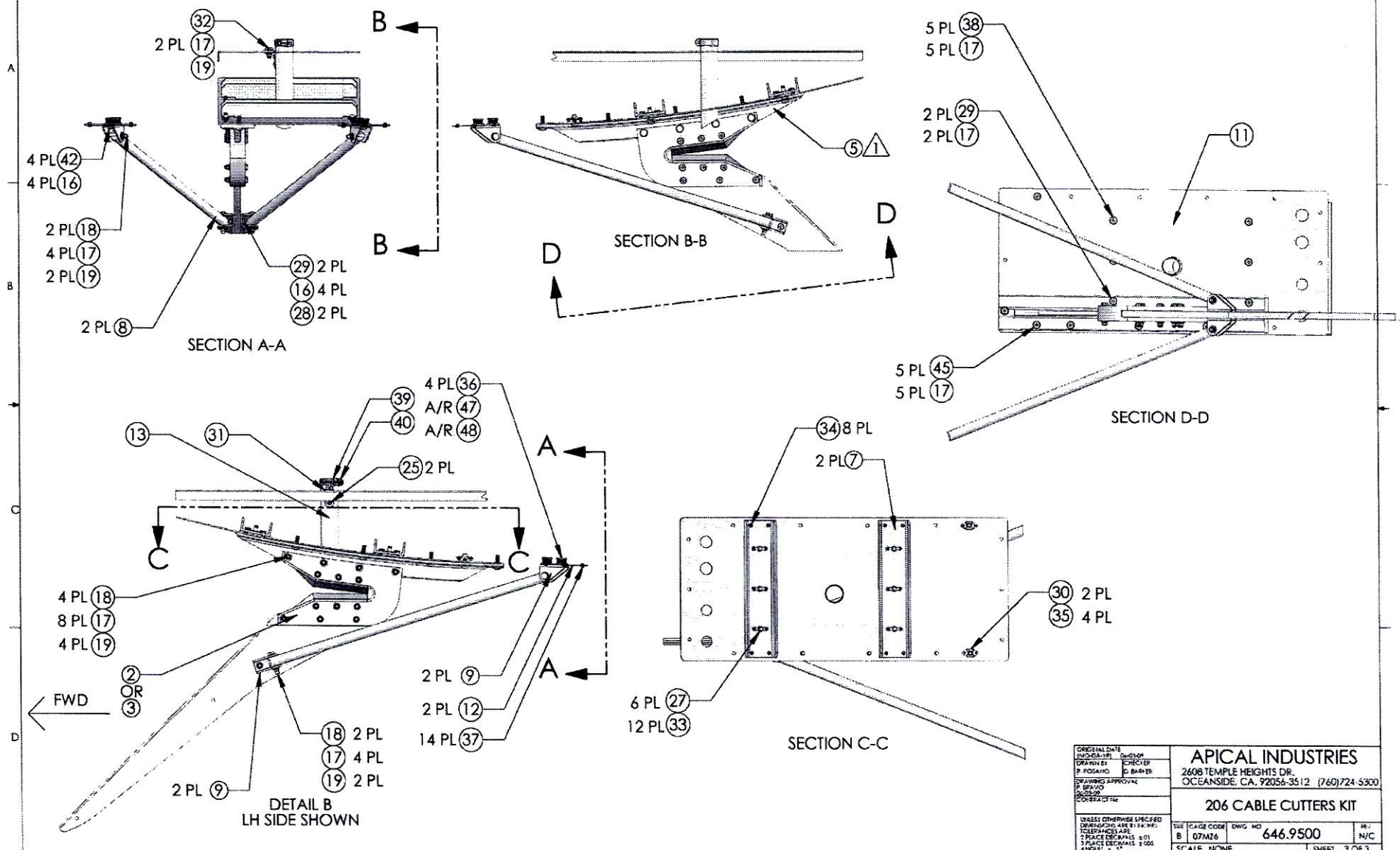


DETAIL A
SHOWN ISOMETRICALLY

ORIGINAL DATE		2608 TEMPLE HEIGHTS DR.	
DRAWN BY		OCEANSIDE, CA. 92056-3512 (760)724-5300	
P. ROSARIO			
DRAWING APPROVAL			
BY			
CHECKED BY			
UNLESS OTHERWISE SPECIFIED			
DIMENSIONS ARE IN INCHES			
TOLERANCES ARE:			
FRACTIONS DECIMALS			
3 PLACES DECIMALS			
AS NOTED			
SCALE NONE			

APICAL INDUSTRIES	
2608 TEMPLE HEIGHTS DR.	
OCEANSIDE, CA. 92056-3512 (760)724-5300	
206 CABLE CUTTERS KIT	
SHEET	2 OF 3

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ORIGINAL DATE: 01/01/01 DESIGNED BY: P. FOSAIRO DRAWING APPROVAL: P. FOSAIRO CHECKED BY: D. BARNES		APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760) 724-5300	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ± .01 3 PLACE DECIMALS ± .005 ANGLES ± 5°		206 CABLE CUTTERS KIT	
SHEET: 3 OF 3	SCALE: NONE	DWG NO: 646.9500	REV: N/C

Work Order ID 159018

159018

Wednesday, April 05, 2017 10:58:13 AM

Item ID: 646.9502 Accept ***N900040100*** Setup Start ***NS1***

Revision ID: Stop ***NS2***

Item Name: 206A/B/L-Series Cable Cutter System, Low

Start Date: 4/13/2017 Start Qty: 1.00 ***1***

Cust Item ID:

Required Date: 4/21/2017 Req'd Qty: 1.00 ***1***

Customer:

Reference: SCHEDULED

Run Start ***NR1***

Approvals: Process Plan: Date: Tooling: Date: Stop ***NR2***

QC: Date: SPC (Y/N): Date:

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
646.9500	N/C								
100	Document Control	0.00							
100	DOCUMENT CONTROL								
DC	Memo	0.00							
Doc.Control -USB or Paperwork	Photocopy bluefile & type labels per PPP 646.9502								
110	Pick Kit	0.00							
110									
Packaging	Memo	0.00							
Packaging									
120	QC4- 100% Inspect kits for completeness	0.00							
120									
Control	Memo	0.03							

CB

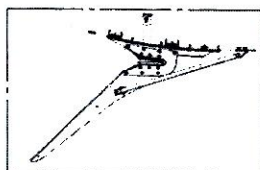
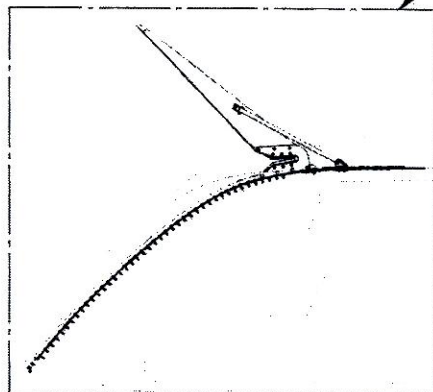
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NOTES:

⚠ AFTER INSTALLATION, APPLY F/N 46 A/R TO FILL GAPS AND FILLET EDGES

REFERENCE ONLY

DETAIL A



DETAIL B

UNINCORPORATED ECN(S)

02729, 02736, 03047

QTY	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.
1	1	49	601.1066 RIVET	CR3212-4-4	
1	1	48	600.0991 MAGNOBOND 6398 PART B		
1	1	47	600.0990 MAGNOBOND 6398 PART A		
1	1	46	600.1012 SEALANT	PR-1425 CLASS B	
5	5	45	601.1949 SCREW	MS27039-1-11	
2	2	44	601.2989 SCREW	MS27039-0812	
4	4	43	601.2987 SCREW	MS27039-0805	
4	4	42	601.3000 SCREW	MS27039-0804	

QTY	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.
47	47	41	601.2893 SCREW	MS27039-0811	
1	1	40	601.2982 HOSE CLAMP	MS35042-11	
1	1	39	647.1210 SCREEN		
5	5	38	601.1621 SCREW	MS27039-1-08	
14	14	37	601.2979 RIVET	CR3212-4-1	
4	4	36	601.2984 INSERT	MS1835-08	
4	4	35	601.2277 RIVET	CR3212-4-01	
8	8	34	601.2983 RIVET	CR3212-4-4	
12	12	33	601.2980 NUTPLATE RIVET	CR3212-4-04	
1	1	32	601.2822 BOLT	AN3-34	
1	1	31	601.2985 BRACKET	AN745-13	
2	2	30	601.1900 NUTPLATE	MS21059-3	
6	6	29	601.2988 SCREW	MS27039-0813	
53	53	28	601.2973 LOCKNUT	MS21042-08	
6	6	27	600.0795 NUTPLATE	MS21047-3	
18	18	26	601.0790 RIVET	CR3212-4-3	
18	18	25	601.1039 RIVET	CR3212-4-2	
19	19	24	601.1915 RIVET	CR3212-4-4	
20	20	23	601.2991 RIVET	CR3212-4-4	
26	26	22	601.1183 RIVET	CR3212-4-5	
4	4	21	601.2356 NUTPLATE	MS21059-08	
8	8	20	601.2981 NUTPLATE RIVET	CR3212-4-04	
17	17	19	601.2943 LOCKNUT	MS21042-3	
16	16	18	601.2826 BOLT	AN3-11A	
46	46	17	601.1607 WASHER	MS114798-03P	
114	114	16	601.2764 WASHER	MS114798-03P	
1	1	15	647.0115 CLIP		
1	1	14	647.0114 CLIP		
1	1	13	647.0410 TUBE		
2	2	12	647.0116 DOUBLER		
1	1	11	647.0111 PANEL		
2	2	10	647.0113 STRUT DOUBLER		
8	8	9	647.0112 STRUT BRACKET		
4	4	8	646.9910 STRUT		
2	2	7	647.0310 CHANNEL		
1	1	6	647.0110 ROOF DOUBLER		
1	1	5	647.0210 RAIL		
1	1	4	646.9810 DEFLECTOR		
1	1	3	646.9603 LOWER CUTTER ASSY LOW		
1	1	2	646.9600 LOWER CUTTER ASSY HIGH		
1	1	1	646.9601 UPPER CUTTER ASSY		
1	1	1	646.9502 206 CABLE CUTTERS KIT LOW		
1	1	1	646.9501 206 CABLE CUTTERS KIT HIGH		

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QTY	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 02736				SHEET 1 OF 1	
	DWG NO. 646.9500	REV: N/C	PREPARED BY S. HUFF	DATE: 01/06/10	EFFECT ON DWG ☐ INC. ☒ UNINC.	
	DWG TITLE: 206 CABLE CUTTERS KIT					
	APPROVED BY:	ENGR. <i>[Signature]</i>	MFG. <i>[Signature]</i>	QC <i>[Signature]</i>	EFF:	CURRENT ORDER
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE	REASON: CORRECTED PARTS LIST ERRORS					

REFERENCE ONLY

17	R	601.1607	62	62	WASHER	NAS1149F0332P
16	R	601.2764	111	111	WASHER	NAS1149FN832P
			9502	9501		
F/N	TC	PART NUMBER	QTY		DESCRIPTION	MATERIAL/SPECIFICATION
DOCUMENTS EFFECTED:						CHANGE CATEGORY
						DER REVIEW REQUIRED
						☐ MDL ☒ INSTALL INSTRUC ☒ ICA ☐ FMS ☒ BOM ☐ MAJOR ☒ MINOR ☐ YES ☒ NO

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 02729				SHEET 1 OF 3	
	DWG NO. 646.9500	REV: N/C	PREPARED BY S. HUFF	DATE: 12/23/09	EFFECT ON DWG ☐ INC. ☒ UNINC.	
	DWG TITLE: 206 CABLE CUTTERS KIT					
	APPROVED BY: ENGR <i>[Signature]</i>	MEG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: CURRENT ORDER		
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE		REASON: HARDWARE REVISIONS FROM FIRST INSTALL				

REFERENCE ONLY

51	A	601.3155	8	8	BOLT	AN3-10A
50	A	601.3153	5	5	SCREW	MS24694S8
41	R	601.2893	43	43	SCREW	MS27039-0811
28	R	601.2973	54	54	LOCKNUT	MS21042-08
18	R	601.2826	8	8	BOLT	AN3-11A
16	R	601.2764	127	127	WASHER	NAS1149FN832P
			9502	9501		
F/N	TC	PART NUMBER	QTY		DESCRIPTION	MATERIAL/SPECIFICATION
DOCUMENTS EFFECTED: ☐ MDL ☒ INSTALL INSTRU ☒ ICA ☐ FMS ☒ BOM						CHANGE CATEGORY ☐ MAJOR ☒ MINOR
						DER REVIEW REQUIRED ☐ YES ☒ NO